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Docket No.: 8733.559.00-US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Hong-Man Moon et al.

Confirmation No.: 7628

Application No.: 10/025,902 ✓

Art Unit: 2871

Filed: December 26, 2001

Examiner: T. L. Rude

For: SUBSTRATE FOR IN-PLANE SWITCHING  
MODE LIQUID CRYSTAL DISPLAY DEVICE  
AND METHOD FOR FABRICATING THE  
SAME

Customer No.: 30827

**REQUEST FOR ACKNOWLEDGMENT OF PREVIOUSLY SUBMITTED DOCUMENT**

MS Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant respectfully request acknowledgment and return of the 1449 which accompanied the Information Disclosure Statement submitted with the initial filing of this application on December 26, 2001. A copy of the submitted documents and date-stamped postcard receipt are attached as evidence of this filing.

Dated: September 14, 2004

Respectfully submitted,

By Valerie Hayes  
Valerie Hayes

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(202) 496-7500  
Attorney for Applicant

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION: Hong-Man MOON et al.

GROUP ART UNIT: TBA

SERIAL NUMBER: TBA

EXAMINER: TBA

FILED: December 26, 2001

FOR: SUBSTRATE FOR IN-PLANE SWITCHING MODE LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR FABRICATING THE SAME

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The Applicant(s) wish to make of record the references listed on the attached Form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending applications or issued patents which may be related to the present application. A copy of the patent(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

CERTIFICATION

The undersigned certifies that

- ☐ each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this statement.

PETITION

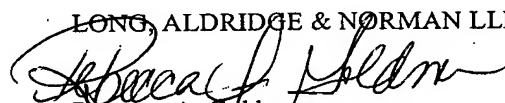
- ☐ Applicant(s) hereby request consideration of the attached information. A check is attached in the amount of the Petition fee required under 37 CFR § 1.17(i)(1).

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account No. 50-0911. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

LONG, ALDRIDGE & NORMAN LLP

  
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December 26, 2001

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY  
APPLICANT

(Use Several Sheets if Necessary)

Date: December 26, 2001

Applicant  
Hong-Man MOON et al.Filing Date  
December 26, 2001Group  
TBA

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,598,285	1/1997	Kondo et al.	349	39	September 20, 1993
	5,838,037	11/1998	Masutani et al.	257	296	May 19, 1997
	5,946,060	8/1999	Nishiki et al.	349	48	June 3, 1997
	5,990,987	11/1999	Tanaka	349	43	November 17, 1998
	6,028,653	2/2000	Nishida	349	141	June 19, 1997
	6,097,454	8/2000	Zhang et al.	349	43	June 29, 1999

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
			YES NO
09-005764	1/1997	Japan	Abstract
09-073101	3/1997	Japan	Abstract
09-105908	4/1997	Japan	Abstract
09-101538	4/1997	Japan	Abstract

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	R. Kieler et al.; "In-Plane Switching of Nematic Liquid Crystals"; Japan Display '92; pages 547-550
	M. Oh-e, et al.; "Principles and Characteristics of Electro-Optical Behaviour with In-Plane Switching Mode"; Asia Display '95; pages 577-580
	M. Ohta et al.; "Development of Super-TFT-LCDs with In-Plane Switching Display Mode"; Asia Display '95; pages 707-710
	S. Matsumoto et al.; "Display Characteristics of In-Plane Switching (IPS) LCDs and a Wide-Viewing-Angle 14.5-in. OPS TFT-LCD; Euro Display '96; pages 445-448
	H. Wakemoto et al.; "An Advanced In-Plane Switching Mode TFT-LCD"; SID 97 Digest; pages 929-932
	S.H. Lee et al.; "High-Transmittance, Wide-Viewing-Angle Nematic Liquid Crystal Display Controlled by Fringe-Field Switching; Asia Display '98; pages 371-374

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*\*English-language abstract provided.

PATENT/WASHINGTON

File No. 8733.559.00

Atty: RAG/es

LAN NO: 559

Application No.: TBA



In the Matter of the Application of: Hong-Man MOON et al.

For: **SUBSTRATE FOR IN-PLANE SWITCHING MODE  
LIQUID CRYSTAL DISPLAY DEVICE AND  
METHOD FOR FABRICATING THE SAME**

Filed: December 26, 2001

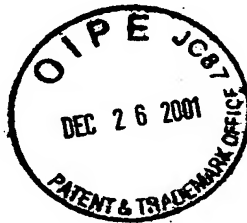
Date: December 26, 2001

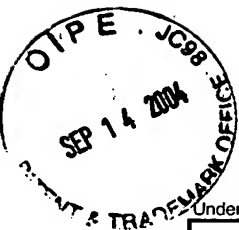
The following has been received in the U.S. Patent Office on the date stamped hereon:

1. Check in the amount of \$1,512.00
2. Utility Patent Application Transmittal  
Specification (24 pgs.), Drawings (8 Sheets Figs. 1-7C)
3. Fee Transmittal Sheet (Duplicate)
4. Declaration, Power of Attorney and Petition (3 Pages)
5. FORM PTO-1595 Recordation Form Cover Sheet  
with executed Assignment Document (3 Pages)
6. Request for Priority w/Certified copy of Korean Application  
No.2000-85006
7. Information Disclosure Statement w/Form PTO-1449
8. 16 References as cited on Form PTO-1449

DUE DATE: December 29, 2001

**DJC**





PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/025,902	
	Filing Date	December 26, 2001	
	First Named Inventor	Hong-Man Moon	
	Art Unit	2871	
	Examiner Name	T. L. Rude	
Total Number of Pages in This Submission	1	Attorney Docket Number	8733.559.00-US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Amendment Transmittal Letter	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Request For Acknowledgment of Previously Submitted Document
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	MCKENNA LONG & ALDRIDGE LLP Valerie P. Hayes Reg. No. 53,005
Signature	<i>Valerie P. Hayes</i>
Date	September 14, 2004